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MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
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Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN APRIL 1981

Returns from 63% of reporting consumers representing 89% of total scrap consumption, indicated that consumption of iron and steel scrap on a daily average basis was .4% above that in March, according to the Bureau of Mines, U.S. Department of the Interior. Compared with March 1981 data, daily average production was down .5%; net receipts were down 3%; and stocks at the end of the month were down .1%.

Exports of ferrous scrap during the month were 57% above those for March 1981. The Republic of Korea was the principal country of destination, accounting for 28% of the total exports in April 1981, followed by Japan with 23% and Mexico with 11%.

The American Metal Market composite price for No. 1 heavy melting steel scrap for March 1981 was \$104.77 a long ton, down 0.3% from the price of \$105.12 a long ton for April 1981.

Compared to the previous month on a daily average basis pig iron production was down 3% and consumption was down 2%. Stocks of pig iron at monthend were down 3% compared with those at the end of March 1981.

Note: Preliminary annual statistics for iron and steel scrap and pig iron in 1980 are given in tables 12 through 17 of this release.

TABLE 1. - U.S. RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS, AND STOCKS OF IRON AND STEEL SCRAP AND PIG IRON, BY TYPE OF MANUFACTURER (SHORT TONS)

	APRIL 1981 (PRELIMINARY) 1/		FINAL		
	MFRS. OF PIG IRON AND RAW STEEL & CASTINGS 2/	MFRS. OF STEEL CASTINGS 3/	IRON FOUNDRIES AND MISCELL- LANEOUS USERS	TOTAL FOR MONTH OF APR 1981	TOTAL FOR MONTH OF MAR 1981 4/ APR 1981 5/
SCRAP:					
RECEIPTS FROM DEALERS AND OTHER SOURCES	2,952,255	155,094	799,601	3,906,950	14,937,150
RECEIPTS FROM OTHER OWN COMPANY PLANTS-	482,930	10,900	148,711	642,541	2,603,258
PRODUCTION RECIRCULATING SCRAP-----	3,484,086	69,971	373,301	3,927,358	15,217,335
PRODUCTION OBSOLETE SCRAP-----	153,515	--	3,055	156,570	630,071
CONSUMPTION-----	6,615,334	231,613	1,295,735	8,142,682	31,440,063
SHIPMENTS-----	512,821	3,708	23,145	539,674	1,898,309
STOCKS END OF MONTH-----	6,946,101	206,892	842,503	7,995,496	--
PIG IRON:					
RECEIPTS-----	311,775	4,003	189,534	505,312	1,718,057
PRODUCTION-----	6,743,629	--	--	6,743,629	26,654,737
CONSUMPTION-----	6,740,823	4,411	193,868	6,939,102	27,111,965
SHIPMENTS-----	411,014	--	415	411,429	1,586,652
STOCKS END OF MONTH-----	768,806	4,289	79,224	852,319	--
DIRECT-REDUCED OR PREREDUCED IRON:					
RECEIPTS 6/-----	--	--	--	43,768	199,256
PRODUCTION-----	--	--	--	W	W
CONSUMPTION-----	--	--	--	50,079	238,099
SHIPMENTS-----	--	--	--	W	W
STOCKS END OF MONTH-----	--	--	--	33,502	--

W WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY PROPRIETARY DATA.

1/ BASED ON RETURNS FROM 63% OF REPORTING CONSUMERS, REPRESENTING 89% OF SCRAP CONSUMPTION.

2/ INCLUDES ONLY THOSE MANUFACTURERS OF STEEL CASTINGS THAT ALSO PRODUCE RAW STEEL.

3/ EXCLUDES COMPANIES THAT PRODUCE BOTH RAW STEEL AND CASTINGS.

4/ BASED ON RETURNS FROM 69% OF REPORTING CONSUMERS, REPRESENTING 91% OF SCRAP CONSUMPTION.

5/ CUMULATIVE TOTALS MAY NOT AGREE WITH SUM OF MONTHLY REPORTS BECAUSE OF ADDITION OF REPORTS FROM LATE RESPONDENTS.

6/ INCLUDES PRODUCTION.

TABLE 2. - MANUFACTURERS OF PIG IRON AND RAW STEEL AND CASTINGS 1/ - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, APRIL 1981 (PRELIMINARY) 2/
(SHORT TONS)

ITEM	RECEIPTS OF SCRAP				PRODUCTION OF HOME SCRAP				CONSUMPTION				ENDING STOCKS
	FROM DEALERS AND OTHER SOURCES	FROM OTHER OWN COMPANIES	FROM RESULTING FROM CURRENT OPERATIONS	FROM SCRAP (INCLUDES INGOT AND HOME SCRAP)	RECYCLATING OBSOLETE SCRAP (INCLUDES INGOT CHASED AND MOLDS, STOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-CIRCULATING OLD EQUIPMENT, BUILDINGS, ETC.))	OF BOTH PURCHASED AND HOME SCRAP	SHIPMENTS	OF SCRAP	SHIPMENTS	OF SCRAP	SHIPMENTS	OF SCRAP	
SCRAP:													
CARBON STEEL-													
LOW-PHOSPHORUS PLATE AND PUNCHINGS	37,349	180	3,348	608	3,348	38,792	4,183	34,219	38,792	4,183	34,219	34,219	
CUT STRUCTURAL AND PLATE	38,597	12,100	62,433	--	62,433	126,108	259	73,664	126,108	259	73,664	73,664	
NO.1 HEAVY MELTING STEEL	861,100	208,017	1,366,118	5,584	1,366,118	2,250,076	185,168	2,220,373	2,250,076	185,168	2,220,373	2,220,373	
NO.2 HEAVY MELTING STEEL	240,158	23,610	110,730	156	110,730	353,686	14,476	502,150	353,686	14,476	502,150	502,150	
NO.1 AND ELECTRIC FURNACE BUNDLES	492,778	48,499	318,690	17	318,690	793,792	90,527	937,263	793,792	90,527	937,263	937,263	
NO.2 AND ALL OTHER BUNDLES	160,726	3,165	2,959	--	2,959	190,046	3,294	285,248	190,046	3,294	285,248	285,248	
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)	6,194	49	20	14	20	5,240	--	7,532	5,240	--	7,532	7,532	
RAILROAD RAILS	10,361	--	--	--	--	10,626	--	15,955	10,626	--	15,955	15,955	
TURNINGS AND BORINGS	95,996	8,663	37,251	72	37,251	146,702	7,777	75,101	146,702	7,777	75,101	75,101	
SLAG SCRAP (FE CONTENT 70 PERCENT)	122,868	1,950	334,789	--	334,789	412,617	26,895	271,450	412,617	26,895	271,450	271,450	
SHREDDER OR FRAGMENTIZED	288,807	50,391	5,828	--	5,828	368,223	--	335,392	368,223	--	335,392	335,392	
NO. 1 BUSHING	121,836	1,422	6,999	242	6,999	123,697	737	94,302	123,697	737	94,302	94,302	
ALL OTHER CARBON STEEL SCRAP	242,994	36,032	874,623	5,468	874,623	1,060,494	58,149	738,526	1,060,494	58,149	738,526	738,526	
STAINLESS STEEL SCRAP	39,458	2,766	51,881	9	51,881	93,009	2,867	107,369	93,009	2,867	107,369	107,369	
ALLOY STEEL (EXCEPT STAINLESS)	19,466	17,111	140,013	1,019	140,013	160,671	12,867	202,265	160,671	12,867	202,265	202,265	
INGOT MOLD AND STUOL SCRAP	44,179	53,291	86,162	139,721	86,162	259,518	61,975	559,103	259,518	61,975	559,103	559,103	
MACHINERY AND CUPOLA CAST IRON	--	163	--	276	--	20,684	362	45,889	20,684	362	45,889	45,889	
CAST IRON BORINGS	38,778	20	3,801	42	3,801	40,138	9,863	36,195	40,138	9,863	36,195	36,195	
MOTOR BLOCKS	--	--	--	--	--	--	--	10	--	--	--	10	
OTHER IRON SCRAP	59,508	5,728	50,558	287	50,558	101,845	32,034	315,857	101,845	32,034	315,857	315,857	
OTHER MIXED SCRAP	31,102	9,773	27,883	--	27,883	59,370	1,598	88,238	59,370	1,598	88,238	88,238	
TOTAL SCRAP	2,952,255	482,930	3,484,086	153,515	3,484,086	6,615,334	512,821	6,946,101	6,615,334	512,821	6,946,101	6,946,101	
TOTAL SCRAP THROUGH APRIL 1981	11,299,990	1,930,716	13,480,695	614,985	13,480,695	25,436,614	1,792,730	26,946,101	25,436,614	1,792,730	26,946,101	26,946,101	
RECEIPTS			PRODUCTION			CONSUMPTION		SHIPMENTS			SHIPMENTS		
PIG IRON	311,775		6,743,629		6,743,629	6,740,823	411,014	768,806		411,014	768,806	768,806	
PIG IRON THROUGH APRIL 1981	964,637		26,654,737		26,654,737	26,354,809	1,585,649	768,806		1,585,649	768,806	768,806	

1/ INCLUDES ONLY THOSE MANUFACTURERS OF STEEL CASTINGS THAT ALSO PRODUCE RAW STEEL.

2/ BASED ON RETURNS FROM 82% OF REPORTING CONSUMERS, REPRESENTING 91% OF SCRAP CONSUMPTION.

TABLE 5. - CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON IN THE UNITED STATES
IN APRIL 1981 (PRELIMINARY), BY TYPE OF CONSUMER AND TYPE OF FURNACE OR OTHER USE
(SHORT TONS)

TYPE OF FURNACE OR OTHER USE	MANUFACTURERS OF PIG IRON AND RAW STEEL AND CASTINGS 1/				MANUFACTURERS OF STEEL CASTINGS 2/		IRON FOUNDRIES AND MISCELLANEOUS USERS		TOTAL ALL TYPES	
	SCRAP		PIG IRON		SCRAP		PIG IRON		SCRAP	
	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP
BLAST FURNACE 3/	394,664	--	--	--	--	--	--	--	394,664	--
BASIC OXYGEN PROCESS 4/	2,134,112	5,689,704	--	--	--	--	--	--	2,134,112	5,689,704
OPEN-HEARTH FURNACE	744,920	878,647	2,992	461	--	--	--	--	747,920	879,108
ELECTRIC FURNACE	3,235,365	15,564	218,251	3,838	457,326	24,975	3,910,934	44,377	3,910,934	44,377
CUPOLA FURNACE	1,165	14,550	9,359	--	806,233	47,657	816,757	62,207	816,757	62,207
OTHER (INCLUDING AIR FURNACE) 5/	105,108	45,836	1,011	112	32,176	3,735	138,295	49,683	138,295	49,683
DIRECT CASTINGS 6/	--	96,522	--	--	--	117,501	--	--	117,501	214,023
TOTAL	6,615,334	6,740,823	231,613	4,411	1,295,735	193,868	8,142,682	6,939,102	8,142,682	6,939,102

1/ INCLUDES ONLY THOSE CASTINGS MADE BY COMPANIES PRODUCING RAW STEEL.

2/ EXCLUDES COMPANIES THAT PRODUCE BOTH RAW STEEL AND STEEL CASTINGS.

3/ INCLUDES CONSUMPTION IN ALL BLAST FURNACES PRODUCING PIG IRON.

4/ INCLUDES SCRAP AND PIG IRON PROCESSED IN METALLURGICAL BLAST CUPOLAS AND USED IN OXYGEN CONVERTERS.

5/ INCLUDES VACUUM MELTING FURNACES AND MISCELLANEOUS USES.

6/ INCLUDES INGOT MOLDS AND STOOLES.

TABLE 6. - MANUFACTURERS OF PIG IRON AND RAW STEEL AND CASTINGS 1/ - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, MARCH 1981 (FINAL) 2/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP				PRODUCTION OF HOME SCRAP				CONSUMPTION OF BOTH PURCHASED AND HOME SCRAP				ENDING STOCKS	
	FROM BROKERS, DEALERS AND OTHER	FROM OTHER OWN COMPANY PLANTS	RECYCLATING SCRAP (INCLUDES INGOT CHASED AND MOLDING, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING BUILDINGS, ETC.)	OBsolete scrap	FROM BROKERS, DEALERS AND OTHER	FROM OTHER OWN COMPANY PLANTS	RECYCLATING SCRAP (INCLUDES INGOT CHASED AND MOLDING, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING BUILDINGS, ETC.)	OBsolete scrap	FROM BROKERS, DEALERS AND OTHER	FROM OTHER OWN COMPANY PLANTS	RECYCLATING SCRAP (INCLUDES INGOT CHASED AND MOLDING, STTOOLS, HOME SCRAP AND SCRAP FROM (INCLUDES RE-OLD EQUIPMENT, CIRCULATING BUILDINGS, ETC.)	OBsolete scrap		
SCRAP:														
CARBON STEEL-														
LOW-PHOSPHORUS PLATE AND PUNCHINGS	43,212	264	3,656	437	38,231	1,857	34,843							
CUT STRUCTURAL AND PLATE	44,170	24,520	66,972	--	122,290	409	100,703							
NO.1 HEAVY MELTING STEEL	890,076	214,984	1,424,742	3,602	2,316,396	205,570	2,165,771							
NO.2 HEAVY MELTING STEEL	231,092	20,358	125,604	166	371,802	9,633	497,756							
NO.1 AND ELECTRIC FURNACE BUNDLES	581,274	51,434	237,934	8	823,464	5,617	957,275							
NO.2 AND ALL OTHER BUNDLES	173,232	4,836	6,637	--	192,494	3,346	296,206							
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)	3,636	97	55	--	6,007	--	5,715							
RAILROAD RAILS	24,103	--	--	--	19,104	--	16,219							
TURNINGS AND BORINGS	117,733	8,949	41,502	112	160,795	8,999	89,529							
SLAG SCRAP (FE CONTENT 70 PERCENT)	109,082	6,659	394,932	--	419,558	36,559	259,222							
SHREDDED OR FRAGMENTIZED	324,320	53,388	2,105	--	369,300	--	368,859							
NO. 1 BUSHING	124,782	1,675	6,527	18	131,660	--	85,751							
ALL OTHER CARBON STEEL SCRAP	201,398	43,402	904,356	2,174	1,083,695	61,438	726,965							
STAINLESS STEEL SCRAP	45,604	3,710	54,108	--	90,107	3,590	109,103							
ALLOY STEEL (EXCEPT STAINLESS)	26,805	16,133	137,152	737	164,304	12,435	199,049							
INGOT MOLD AND STUOL SCRAP	43,812	59,352	118,504	154,158	275,061	88,759	560,919							
MACHINERY AND CUPOLA CAST IRON	--	249	66	90	15,821	2,818	57,523							
CAST IRON BORINGS	31,846	565	9,144	63	31,810	9,737	38,109							
MOTOR FLOCKS	--	--	--	--	--	--	10							
OTHER IRON SCRAP	53,056	7,485	52,246	116	94,944	30,579	330,970							
OTHER MIXED SCRAP	27,754	8,644	38,126	--	63,018	2,273	72,617							
TOTAL SCRAP	3,090,987	526,684	3,624,349	161,681	6,789,861	483,619	6,973,114							
TOTAL SCRAP THROUGH MARCH 1981	8,347,735	1,447,786	9,996,609	461,470	18,821,180	1,279,909	6,973,114							
RECEIPTS														
	247,370		7,173,894		7,108,804	393,481	795,063							
PRODUCTION														
	652,862		19,911,108		19,613,986	1,174,635	795,063							

1/ INCLUDES ONLY THOSE MANUFACTURERS OF STEEL CASTINGS THAT ALSO PRODUCE RAW STEEL.
2/ BASED ON RETURNS FROM 87% OF REPORTING CONSUMERS, REPRESENTING 94% OF SCRAP CONSUMPTION.

TABLE 7. - MANUFACTURERS OF STEEL CASTINGS 1/ - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, 1981 (FINAL) 2/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP			PRODUCTION OF HOME SCRAP			CONSUMPTION OF BOTH PURCHASED AND RECYCLED SCRAP			ENDING STOCKS	
	FROM BROKERS, DEALERS AND OTHER	FROM OTHER OWN COMPANY PLANTS	OUTSIDE SOURCES	FROM RECYCLING SCRAP (INCLUDES INGOT CHASED AND RESULTING MOLDS, STOKES, HOME SCRAP AND SCRAP FROM (INCLUDES RE-CIRCULATING OLD EQUIPMENT, CIRCULATING BUILDINGS, ETC.))	FROM CURRENT OPERATIONS	FROM OTHER PLANTS	FROM RECYCLING SCRAP (INCLUDES INGOT CHASED AND RESULTING MOLDS, STOKES, HOME SCRAP AND SCRAP FROM (INCLUDES RE-CIRCULATING OLD EQUIPMENT, CIRCULATING BUILDINGS, ETC.))	FROM CURRENT OPERATIONS	FROM OTHER PLANTS		
SCRAP:											
CARRON STEEL-											
LOW-PHOSPHORUS PLATE AND PUNCHINGS	51,339	1,908		17,960			70,676		185	64,093	
CUT STRUCTURAL AND PLATE	20,276	310		1,940			22,393			21,152	
NO.1 HEAVY MELTING STEEL	12,198	42		7,580			19,560		1,152	21,059	
NO.2 HEAVY MELTING STEEL	6,622			811			7,786			5,722	
NO.1 AND ELECTRIC FURNACE BUNDLES	2,505			207			2,789			1,898	
NO.2 AND ALL OTHER BUNDLES	1,851	100		100			1,846			816	
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)	6,656			1,915			8,144		92	5,638	
RAILROAD RAILS	79						31			74	
TURNINGS AND BORINGS	4,500	63		1,929			4,987		529	2,772	
SLAG SCRAP (FE CONTENT 70 PERCENT)				32					35	16	
SHREDDER OR FRAGMENTIZED	4,716						5,258			1,621	
NO. 1 BUSHING	849						1,524			2,419	
ALL OTHER CARBON STEEL SCRAP	32,611	4,941		23,743		1,687	59,720		101	39,049	
STAINLESS STEEL SCRAP-											
ALLOY STEEL (EXCEPT STAINLESS)	1,034	52		1,734			2,949		30	4,638	
INGOT MOLD AND STUOL SCRAP	7,585	569		9,585		116	14,998		25	23,762	
MACHINERY AND CUPOLA CAST IRON	105			38			209		44	570	
CAST IRON BORINGS	241			50			239			193	
MOTOR BLOCKS	5,464	247		2,270			7,536			4,899	
OTHER IRON SCRAP	25						20			69	
OTHER MIXED SCRAP	3,225			7,610			10,531		467	9,498	
				540			555			11	
TOTAL SCRAP-	161,971	8,232		78,044		1,803	241,751		2,662	209,971	
TOTAL SCRAP THROUGH MARCH 1981-	458,833	19,475		222,032		1,849	692,771		6,923	209,971	
	RECEIPTS			PRODUCTION			CONSUMPTION			SHIPMENTS	STOCKS
PIG IRON-	3,952						4,096			4,343	
PIG IRON THROUGH MARCH 1981-	11,291						10,887			4,343	

1/ EXCLUDES COMPANIES THAT PRODUCE BOTH RAW STEEL AND CASTINGS.

2/ BASED ON RETURNS FROM 68% OF REPORTING CONSUMERS, REPRESENTING 78% OF SCRAP CONSUMPTION.

TABLE 8. - IRON FOUNDRIES AND MISCELLANEOUS USERS - RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS, AND STOCKS OF PIG IRON AND IRON AND STEEL SCRAP, BY GRADE, MARCH 1981 (FINAL) 1/ (SHORT TONS)

ITEM	RECEIPTS OF SCRAP			PRODUCTION OF HOME SCRAP			CONSUMPTION OF BOTH PURCHASED AND RECYCLED SCRAP			ENDING STOCKS
	FROM BROKERS, DEALERS AND OTHER OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	FROM SCRAP RESULTING FROM CURRENT OPERATIONS	RECYCLING (INCLUDES INGOT AND SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	OBsolete SCRAP (INCLUDES MOLD, STOOLES, HOME SCRAP AND RE-SCRAP FROM (INCLUDES RE-CIRCULATING SCRAP))	CHASED AND CHASED AND HOME SCRAP	SHIPMENTS OF SCRAP	STOCKS		
SCRAP:										
CARBON STEEL-										
LOW-PHOSPHORUS PLATE AND PUNCHINGS	59,260	7,651	7,041	28	75,731	731	40,969			
CUT STRUCTURAL AND PLATE	132,920	15,172	7,676	--	149,900	119	103,732			
NO.1 HEAVY MELTING STEEL	10,785	2,837	6,995	--	16,619	3,895	14,084			
NO.2 HEAVY MELTING STEEL	8,561	--	2,336	81	11,200	145	2,870			
NO.1 AND ELECTRIC FURNACE BUNDLES	14,336	5,513	5,698	37	24,041	--	8,553			
NO.2 AND ALL OTHER BUNDLES (NOT BUNDLES)	29,654	747	--	--	29,698	--	20,226			
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)	8,018	5,860	106	--	13,870	--	4,284			
RAILROAD RAILS	11,802	--	24	12	10,616	--	11,217			
TURNINGS AND BORINGS	47,733	4,756	1,275	--	46,901	1,316	66,511			
SLAG SCRAP (FE CONTENT 70 PERCENT)	987	--	40	--	1,249	--	7,353			
SHREDDED OR FRAGMENTIZED	69,735	--	6	--	77,676	18	51,447			
NO. 1 BUSHING	17,895	996	1,192	--	19,535	1,520	8,355			
ALL OTHER CARBON STEEL SCRAP	64,021	32,253	14,469	4	114,919	502	56,782			
STAINLESS STEEL SCRAP-										
ALLOY STEEL (EXCEPT STAINLESS)	1,009	--	1,547	--	2,817	231	2,367			
INGOT MOLD AND STUOL SCRAP	1,606	3	460	53	1,724	260	10,663			
MACHINERY AND CUPOLA CAST IRON	13,812	--	5,071	310	20,356	282	41,011			
CAST IRON BORINGS	86,683	13,436	37,284	30	144,496	514	121,106			
MOTOR BLOCKS	71,730	11,758	17,659	692	103,690	3,278	37,904			
OTHER IRON SCRAP	44,901	593	29,585	--	72,944	300	52,193			
OTHER MIXED SCRAP	62,903	33,183	202,694	1,996	292,088	8,940	104,622			
	26,283	62,908	29,350	810	117,192	714	54,622			
TOTAL SCRAP	784,634	197,666	370,508	4,053	1,347,262	22,766	821,071			
TOTAL SCRAP THROUGH MARCH 1981	2,223,632	493,456	1,071,336	10,182	3,783,430	71,803	821,071			
	RECEIPTS			PRODUCTION			CONSUMPTION			
PIG IRON	204,561	--	--	--	203,485	139	81,746			
PIG IRON THROUGH MARCH 1981	548,592	--	--	--	547,990	589	81,746			

1/ BASED ON RETURNS FROM 65% OF REPORTING CONSUMERS, REPRESENTING 83% OF SCRAP CONSUMPTION.

TABLE 9. - CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON IN THE UNITED STATES
IN MARCH 1981 (FINAL), BY TYPE OF CONSUMER AND TYPE OF FURNACE OR OTHER USE
(SHORT TONS)

TYPE OF FURNACE OR OTHER USE	MANUFACTURERS OF PIG IRON AND RAW STEEL AND CASTINGS 1/			MANUFACTURERS OF STEEL CASTINGS 2/ SCRAP			IRON FOUNDRIES AND MISCELLANEOUS USERS			TOTAL ALL TYPES		
	SCRAP	PIG IRON	PIG IRON	SCRAP	PIG IRON	PIG IRON	SCRAP	PIG IRON	PIG IRON	SCRAP	PIG IRON	PIG IRON
BLAST FURNACE 3/	421,448	--	--	--	--	--	--	--	--	--	421,448	--
BASIC OXYGEN PROCESS 4/	2,238,724	5,976,479	--	--	--	--	--	--	--	--	2,238,724	5,976,479
OPEN-HEARTH FURNACE	746,597	926,366	3,226	409	409	--	--	--	--	--	749,823	926,775
ELECTRIC FURNACE	3,270,059	33,252	228,367	3,553	3,553	430,240	25,765	25,765	3,928,666	62,610	3,928,666	62,610
CUPOLA FURNACE	663	18,966	9,095	--	--	873,632	45,769	45,769	883,390	64,735	883,390	64,735
OTHER (INCLUDING AIR FURNACE) 5/	112,370	22,558	1,063	134	134	43,390	4,675	4,675	156,823	27,567	156,823	27,567
DIRECT CASTINGS 6/	--	131,193	--	--	--	--	127,276	127,276	--	--	--	258,419
TOTAL	6,789,851	7,108,804	241,751	4,095	4,095	1,347,262	203,485	203,485	8,378,874	7,316,385	8,378,874	7,316,385

1/ INCLUDES ONLY THOSE CASTINGS MADE BY COMPANIES PRODUCING RAW STEEL.

2/ EXCLUDES COMPANIES THAT PRODUCE BOTH RAW STEEL AND STEEL CASTINGS.

3/ INCLUDES CONSUMPTION IN ALL BLAST FURNACE'S PRODUCING PIG IRON.

4/ INCLUDES SCRAP AND PIG IRON PROCESSED IN METALLURGICAL BLAST CUPOLAS AND USE' IN OXYGEN CONVERTERS.

5/ INCLUDES VACUUM MELTING FURNACE'S AND MISCELLANEOUS USE'S.

6/ INCLUDES INGOT MOLDS AND STPOOLS.

FOREIGN TRADE

Exports of iron and steel scrap totaled 693,679 short tons in April compared with 441,927 tons in March. Exports of pig iron during April totaled 1,934 tons and 2,187 tons in March. Imports of scrap totaled 52,424 short tons in April compared with 54,306 tons in March. Of the scrap imported during April, 48,780 short tons came from Canada and 3,644 tons from other sources. Imports of pig iron totaled 37,436 short tons in April and 6,268 tons in March. In addition to the foregoing imports of pig iron during April, there were 2,247 tons of sponge iron, valued at \$459,911 imported, of which 1,040 tons came from Canada and 1,206 tons from Sweden.

Table 10.--U.S. exports of iron and steel scrap, ^{1/} by country

Country	April 1981		Year to date	
	Short tons	Value	Short tons	Value
Canada-----	57,266	\$4,049,423	260,031	\$18,240,894
Germany, Federal Rep. of-----	70	74,581	1,515	507,840
Greece-----	25,417	2,421,195	143,859	14,878,323
Italy-----	--	--	12,662	1,090,395
Japan-----	158,392	14,452,731	503,227	54,029,037
Korea, Republic of-----	191,651	18,064,040	492,290	48,548,937
Mexico-----	78,848	9,797,338	359,314	41,923,365
Spain-----	18,066	1,022,016	90,263	9,967,395
Taiwan-----	65,012	8,823,794	181,925	27,385,575
Thailand-----	247	51,505	3,982	661,667
Turkey-----	--	--	93,330	8,714,155
United Kingdom-----	16	1,598	586	263,963
Other countries-----	98,694	9,768,361	261,354	28,789,381
Total-----	693,679	68,526,582	2,404,338	255,000,927

^{1/} Excludes ships, boats and other vessels for breaking up (for scrapping) which was included in 1965-1970 figures.

Source: Bureau of the Census.

Table 11.--U.S. exports of iron and steel scrap, by grade

Grade of scrap	April 1981		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	213,663	\$19,989,418	667,901	\$64,897,017
No. 2 heavy melting steel scrap-----	81,939	7,440,484	231,755	21,244,620
No. 1 bundles-----	10,965	1,116,419	18,554	1,780,049
No. 2 bundles-----	25,712	2,023,676	107,980	8,108,170
Borings, shovelings and turnings-----	63,803	3,792,168	140,778	7,979,198
Stainless steel-----	2,813	1,713,132	29,351	13,677,602
Shredded steel scrap-----	151,473	15,014,576	696,038	71,970,705
Iron scrap (excluding borings and shovelings)	56,084	5,163,770	192,269	19,862,818
All other steel scrap ^{1/} ---	87,227	12,272,939	319,712	45,480,748
Total-----	693,679	68,526,582	2,404,338	255,000,927
Ships, boats, and other vessels for breaking up (for scrapping)-----	1,233	156,842	16,360	1,339,643
Total-----	694,912	68,683,424	2,420,698	256,340,570

^{1/} Includes tinplate and terneplate.

Source: Bureau of the Census.

PRELIMINARY
 TABLE 12. - U.S. CONSUMER RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF IRON
 AND STEEL SCRAP AND PIG IRON IN 1980, BY GRADE
 (THOUSAND SHORT TONS)

GRADE OF SCRAP	RECEIPTS OF SCRAP				PRODUCTION OF HOME SCRAP				CONSUMPTION				ENDING STOCKS DEC. 31	
	FROM BROKERS, DEALERS AND OTHER OUTSIDE SOURCES	FROM OTHER OWN COMPANY PLANTS	FROM OTHER OWN COMPANY PLANTS	FROM OTHER OWN COMPANY PLANTS	FROM OTHER OWN COMPANY PLANTS	FROM OTHER OWN COMPANY PLANTS	FROM OTHER OWN COMPANY PLANTS	FROM OTHER OWN COMPANY PLANTS	FROM OTHER OWN COMPANY PLANTS	FROM OTHER OWN COMPANY PLANTS	FROM OTHER OWN COMPANY PLANTS	FROM OTHER OWN COMPANY PLANTS		FROM OTHER OWN COMPANY PLANTS
MANUFACTURERS OF PIG IRON AND RAW STEEL AND CASTINGS/ CARBON STEEL:														
LOW-PHOSPHORUS PLATE AND PUNCHINGS---	395	1R	88	5										41
CUT STRUCTURAL AND PLATE-----	381	199	775	--										87
NO.1 HEAVY MELTING STEEL-----	7,945	2,650	13,801	75										2,148
NO.2 HEAVY MELTING STEEL-----	2,441	170	1,350	9										511
NO.1 AND ELECTRIC FURNACE BUNDLES---	5,226	348	2,326	2										901
NO.2 AND ALL OTHER BUNDLES---	1,990	81	50	--										296
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	48	1	3	2/										10
RAILROAD RAILS-----	84	2/	4	2										11
TURNS AND BORINGS-----	1,102	107	394	7										92
SLAG SCRAP (FE CONTENT 70 PERCENT)---	1,181	47	3,291	1										180
SHREDDER OR FRAGMENTIZED-----	2,771	572	65	--										330
NO. 1 BUSHING-----	1,017	14	63	1										92
ALL OTHER CARBON STEEL SCRAP-----	2,254	278	9,106	99										706
STAINLESS STEEL SCRAP-----	361	37	594	2/										76
ALLOY STEEL (EXCEPT STAINLESS)---	208	211	1,366	13										214
INGOT MOLD AND STUOL SCRAP-----	376	729	858	1,522										533
MACHINERY AND COPOLA CAST IRON ---	1	1	3	1										76
CAST IRON BORINGS-----	300	7	138	14										37
MOTOR BLOCKS-----	4	--	--	--										2/
OTHER IRON SCRAP-----	581	149	614	7										386
OTHER MIXED SCRAP-----	315	121	241	--										55
TOTAL SCRAP 3/-----	28,980	5,761	35,209	1,757										6,909
	RECEIPTS	PRODUCTION	CONSUMPTION	SHIPMENTS	STOCKS									
PIG IRON-----	2,952	6,869	67,114	5,465	792									

See footnotes at end of table.

PRELIMINARY
 TABLE 12. - U.S. CONSUMER RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF IRON
 AND STEEL SCRAP AND PIG IRON IN 1980, BY GRADE--CONTINUED
 (THOUSAND SHORT TONS)

GRADE OF SCRAP	RECEIPTS OF SCRAP			PRODUCTION OF HOME SCRAP			CONSUMPTION			ENDING STOCKS DEC. 31
	FROM BROKERS, DEALERS AND OTHER SOURCES	FROM OTHER OWN COMPANY PLANTS	RECIRCULATING OR SOLETE SCRAP (INCLUDES INGOT MOLDS, STTOOLS, HOME SCRAP AND SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	FROM SCRAP RESULTING FROM CURRENT OPERATION	FROM SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	OF BOTH PURCHASED AND HOME SCRAP	RE- SHIPMENTS OF SCRAP	CONSUMPTION	SHIPMENTS	
MANUFACTURERS OF STEEL CASTINGS 4/										
CARBON STEEL:										
LOW-PHOSPHORUS PLATE AND PUNCHINGS	576	11	195	5	806	2	63			
CUT STRUCTURAL AND PLATE	229	17	20	--	270	1	24			
NO.1 HEAVY MELTING STEEL	165	7	75	2/	245	8	24			
NO.2 HEAVY MELTING STEEL	65	2/	19	2/	92	2/	7			
NO.1 AND ELECTRIC FURNACE BUNDLES	26	--	2	--	30	--	2			
NO.2 AND ALL OTHER BUNDLES	7	2/	2/	--	6	--	2			
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)	68	--	19	--	83	1	6			
RAILROAD RAILS	1	--	--	--	2/	--	2/			
TURNINGS AND BORINGS	42	3	22	--	57	11	2			
SLAG SCRAP (FE CONTENT 70 PERCENT)	--	--	2/	--	--	2/	2/			
SHREDDED OR FRAGMENTIZED	46	6	1	--	52	--	3			
NO. 1 BUSHELING	20	5	1	--	26	--	2			
ALL OTHER CARBON STEEL SCRAP	437	17	313	2/	786	4	28			
STAINLESS STEEL SCRAP										
ALLOY STEEL (EXCEPT STAINLESS)	21	1	32	2/	51	4	5			
INGOT HOLD AND STUOL SCRAP	59	1	105	--	171	2	21			
MACHINERY AND CUPOLA CAST IRON	2	2/	1	--	2	1	1			
CAST IRON BORINGS	3	2/	5	--	9	2/	2/			
MOTOR BLOCKS	68	1	24	--	79	1	5			
OTHER IRON SCRAP	2/	--	--	--	2/	--	2/			
OTHER MIXED SCRAP	27	3	64	2/	90	6	9			
	2/	--	5	--	6	--	2/			
TOTAL SCRAP 3/	1,861	72	903	6	2,862	40	205			
PIG IRON	40	--	--	--	41	2/	5			

See footnotes at end of table.

PRELIMINARY
 TABLE 12 - U.S. CONSUMER RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF IRON
 AND STEEL SCRAP AND PIG IRON IN 1960, BY GRADE--CONTINUED
 (THOUSAND SHORT TONS)

GRADE OF SCRAP	RECEIPTS OF SCRAP			PRODUCTION OF HOME SCRAP			CONSUMPTION			ENDING STOCKS DEC. 31
	FROM PROKERS, DEALERS AND OTHER	FROM OTHER OWN COMPANY PLANTS	OUTSIDE SOURCES	RECIRCULATING SCRAP RESULTING FROM CURRENT OPERATIONS	ORSOLETE SCRAP (INCLUDES INGOT MOLDS, STOKES, AND SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	OF BOTH PUR- CHASED AND HOME SCRAP	SHIPMENTS OF SCRAP	OF SCRAP	STOCKS DEC. 31	
IRON FOUNDRIES AND MISCELLANEOUS USERS										
CARRON STEEL:										
LOW-PHOSPHORUS PLATE AND PUNCHINGS---	678	72		64	2/	817	18	39		
CUT STRUCTURAL AND PLATE-----	1,399	74		156	4	1,553	4	125		
NO.1 HEAVY MELTING STEEL-----	148	40		62	--	217	75	12		
NO.2 HEAVY MELTING STEEL-----	74	8		26	1	113	1	3		
NO.1 AND ELECTRIC FURNACE BUNDLES---	131	59		52	2/	267	--	9		
NO.2 AND ALL OTHER BUNDLES-----	333	--		--	--	341	--	32		
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)-----	97	57		1	--	155	--	7		
RAILROAD RAILS-----	126	2/		2/	19	121	2/	13		
TURNINGS AND BORINGS-----	454	91		2/	--	558	53	65		
SLAG SCRAP (FE CONTENT 70 PERCENT)---	32	--		2/	--	34	1	8		
SHREDDED OR FRAGMENTIZED-----	805	22		2/	--	818	2	50		
NO. 1 DUSHELLING-----	202	20		14	--	240	18	7		
ALL OTHER CARBON STEEL SCRAP-----	766	434		144	2/	1,372	7	77		
STAINLESS STEEL SCRAP-----										
ALLOY STEEL (EXCEPT STAINLESS)---	1	--		18	2/	19	1	2		
INGOT MOLD AND STOKEL SCRAP-----	17	2/		5	3	19	5	10		
MACHINERY AND CUPOLA CAST IRON---	133	1		57	1	189	15	49		
CAST IRON BORINGS-----	904	72		594	1	1,451	7	117		
MOTOR BLOCKS-----	633	342		315	4	1,279	53	56		
OTHER IRON SCRAP-----	524	9		288	2/	770	4	53		
OTHER MIXED SCRAP-----	691	85		2,157	8	2,875	113	117		
	320	308		338	5	1,004	7	46		
TOTAL SCRAP 3/-----	0,470	1,694		4,303	29	14,291	385	905		
PIG IRON-----										
	RECEIPTS			PRODUCTION			CONSUMPTION			STOCKS
	1,862			--			1,898			16
										93

See footnotes at end of table.

PRELIMINARY
 TABLE 12 - U.S. CONSUMER RECEIPTS, PRODUCTION, CONSUMPTION, SHIPMENTS AND STOCKS OF IRON
 AND STEEL SCRAP AND PIG IRON IN 1980, BY GRADE--CONTINUED
 (THOUSAND SHORT TONS)

GRADE OF SCRAP	RECEIPTS OF SCRAP			PRODUCTION OF HOME SCRAP			CONSUMPTION OF BOTH PURCHASED AND RECYCLED SCRAP			ENDING STOCKS DEC. 31				
	FROM DEALERS AND OTHER SOURCES	FROM OTHER COMPANY PLANTS	FROM RECYCLING SCRAP (INCLUDES INGOT AND SCRAP FROM CURRENT OPERATIONS, ETC.)	FROM RECYCLING SCRAP (INCLUDES INGOT AND SCRAP FROM CURRENT OPERATIONS, ETC.)	FROM RECYCLING SCRAP (INCLUDES INGOT AND SCRAP FROM CURRENT OPERATIONS, ETC.)	FROM RECYCLING SCRAP (INCLUDES INGOT AND SCRAP FROM CURRENT OPERATIONS, ETC.)	FROM RECYCLING SCRAP (INCLUDES INGOT AND SCRAP FROM CURRENT OPERATIONS, ETC.)	FROM RECYCLING SCRAP (INCLUDES INGOT AND SCRAP FROM CURRENT OPERATIONS, ETC.)	FROM RECYCLING SCRAP (INCLUDES INGOT AND SCRAP FROM CURRENT OPERATIONS, ETC.)					
TOTAL - ALL TYPES OF MANUFACTURERS	1,649	102	347	10	2,108	62	144	1,649	102	347	10	2,108	62	144
CARBON STEEL:	2,009	290	952	4	3,022	161	237	2,009	290	952	4	3,022	161	237
LOW-PHOSPHORUS PLATE AND PUNCHINGS--	8,258	2,707	13,939	75	22,997	2,374	2,183	8,258	2,707	13,939	75	22,997	2,374	2,183
CUT STRUCTURAL AND PLATE--	2,580	187	1,395	9	3,765	143	522	2,580	187	1,395	9	3,765	143	522
NO. 1 HEAVY MELTING STEEL--	5,383	407	2,380	3	8,255	162	912	5,383	407	2,380	3	8,255	162	912
NO. 2 HEAVY MELTING STEEL--	2,329	81	50	--	2,608	36	329	2,329	81	50	--	2,608	36	329
NO. 1 AND ELECTRIC FURNACE BUNDLES--	213	57	23	2/	288	1	22	213	57	23	2/	288	1	22
NO. 2 AND ALL OTHER BUNDLES--	210	2/	4	2	187	5	24	210	2/	4	2	187	5	24
ELECTRIC FURNACE 1 FOOT AND UNDER (NOT BUNDLES)--	1,598	201	436	7	2,154	185	159	1,598	201	436	7	2,154	185	159
RAILROAD RAILS--	1,212	47	3,292	1	4,261	208	197	1,212	47	3,292	1	4,261	208	197
TURNS AND BORINGS--	3,622	600	66	--	4,058	2	400	3,622	600	66	--	4,058	2	400
SLAB SCRAP (FE CONTENT 70 PERCENT)--	1,239	39	79	1	1,362	28	100	1,239	39	79	1	1,362	28	100
SHREDDER OR FRAGMENTIZED--	3,457	730	9,642	100	12,903	745	901	3,457	730	9,642	100	12,903	745	901
NO. 1 BUSHING--	383	38	643	2/	1,000	58	102	383	38	643	2/	1,000	58	102
ALL OTHER CARBON STEEL SCRAP--	284	212	1,477	15	1,896	151	245	284	212	1,477	15	1,896	151	245
STAINLESS STEEL SCRAP--	511	730	916	1,526	2,988	883	582	511	730	916	1,526	2,988	883	582
ALLOY STEEL (EXCEPT STAINLESS)--	908	73	592	2	1,566	19	193	908	73	592	2	1,566	19	193
INGOT MOLD AND STUOL SCRAP--	1,001	350	476	17	1,830	231	98	1,001	350	476	17	1,830	231	98
MACHINERY AND CUPOLA CAST IRON--	529	9	288	2/	775	4	53	529	9	288	2/	775	4	53
CAST IRON BORINGS--	1,299	238	2,835	15	3,995	387	513	1,299	238	2,835	15	3,995	387	513
MOTOR BLOCKS--	636	429	584	5	1,693	37	101	636	429	584	5	1,693	37	101
OTHER IRON SCRAP--	39,310	7,527	40,415	1,792	83,710	5,883	8,018	39,310	7,527	40,415	1,792	83,710	5,883	8,018
TOTAL SCRAP 3/-----	4,853	592	68,695	W	69,053	5,482	889	4,853	592	68,695	W	69,053	5,482	889
DIRECT-REUCED OR PREFREDCED IRON-----							58							58

W Withheld to avoid disclosing company proprietary data.
 1/ Includes only those castings made by companies producing raw steel.
 2/ Less than one-half unit.
 3/ Data may not add to totals shown because of independent rounding.
 4/ Excludes companies that produce both raw steel and steel castings.

PRELIMINARY
 TABLE 13. - CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON IN THE UNITED STATES
 IN 1960, BY TYPE OF CONSUMER AND TYPE OF FURNACE OR OTHER USE
 (THOUSAND SHORT TONS)

TYPE OF FURNACE OR OTHER USE	MANUFACTURERS OF PIG IRON AND RAW STEEL AND CASTINGS 1/			MANUFACTURERS OF STEEL CASTINGS 2/			IRON FOUNDRIES AND MISCELLANEOUS USERS			TOTAL ALL TYPES		
	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON
BLAST FURNACE 3/	3,651	--	--	--	--	--	--	--	--	--	3,651	--
BASIC OXYGEN PROCESS 4/	21,859	56,414	--	--	--	--	--	--	--	--	21,859	56,414
OPEN-HEARTH FURNACE	7,398	8,600	47	6	--	--	--	--	--	--	7,445	8,606
ELECTRIC FURNACE	32,673	529	2,706	34	4,775	292	40,154	855	--	--	40,154	855
CUPOLA FURNACE	114	117	98	87	9,228	581	9,440	698	--	--	9,440	698
OTHER (INCLUDING AIR FURNACE) 5/	861	267	11	1	288	31	1,160	299	--	--	1,160	299
DIRECT CASTINGS 6/	--	1,188	--	--	--	994	--	--	--	--	--	2,182
TOTAL 7/	66,557	67,114	2,862	41	14,291	1,498	83,710	69,053	--	--	83,710	69,053

1/ INCLUDES ONLY THOSE CASTINGS MADE BY COMPANIES PRODUCING RAW STEEL.

2/ EXCLUDES COMPANIES THAT PRODUCE BOTH RAW STEEL AND STEEL CASTINGS.

3/ INCLUDES CONSUMPTION IN ALL BLAST FURNACES PRODUCING PIG IRON.

4/ INCLUDES SCRAP AND PIG IRON PROCESSED IN METALLURGICAL BLAST CUPOLAS AND USED IN OXYGEN CONVERTERS.

5/ INCLUDES VACUUM MELTING FURNACES AND MISCELLANEOUS USES.

6/ INCLUDES INGOT MOLDS AND STOOLS.

7/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.

8/ LESS THAN 1/2 UNIT.

PRELIMINARY
 TABLE 14. - PROPORTION OF IRON AND STEEL
 SCRAP AND PIG IRON USED IN FURNACES
 IN THE UNITED STATES

TYPE OF FURNACE	1980	
	SCRAP	PIG IRON
BASIC OXYGEN PROCESS	27.9	72.1
OPEN-HEARTH FURNACE	46.4	53.6
ELECTRIC FURNACE	97.9	2.1
CUPOLA FURNACE	93.1	6.9
OTHER (INCLUDING AIR FURNACE)	79.5	20.5

PRELIMINARY
 TABLE 15 - IRON AND STEEL SCRAP SUPPLY 1/ AVAILABLE FOR CONSUMPTION IN 1980,
 BY STATE AND REGION
 (THOUSAND SHORT TONS)

STATE AND REGION	RECEIPTS OF SCRAP			PRODUCTION OF HOME SCRAP			NEW SUPPLY AVAILABLE FOR CONSUMPTION
	FROM BROKERS, DEALERS AND OTHER SOURCES	FROM OTHER OWN COMPANY PLANTS	FROM RECYCLATING SCRAP RESULTING FROM CURRENT OPERATIONS	OBsolete SCRAP (INCLUDES INGOT MOLDS, STUOLS, AND SCRAP FROM OLD EQUIPMENT, BUILDINGS, ETC.)	TOTAL NEW SUPPLY ^{2/} OF SCRAP 3/	SHIPMENTS FOR CONSUMPTION	
NEW ENGLAND AND MIDDLE ATLANTIC:							
CONNECTICUT, MAINE, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, RHODE ISLAND, AND VERMONT	1,368	133	1,128	21	2,650	229	2,421
PENNSYLVANIA	5,552	2,459	9,151	562	17,724	2,108	15,616
TOTAL 2/	6,920	2,592	10,279	584	20,374	2,337	18,036
NORTH CENTRAL:							
ILLINOIS	4,461	687	3,350	118	8,616	364	8,252
INDIANA	2,140	149	7,680	372	10,341	904	9,436
MICHIGAN, IOWA, MINNESOTA, NEBRASKA, KANSAS, AND MISSOURI	5,656	1,530	3,091	67	10,345	158	10,186
OHIO	4,296	1,252	6,017	278	11,843	967	10,876
WISCONSIN	653	11	529	4/	1,194	25	1,168
TOTAL 2/	17,206	3,630	20,667	835	42,338	2,418	39,919
SOUTH ATLANTIC:							
DELAWARE, FLORIDA, GEORGIA, MARYLAND, NORTH CAROLINA, SOUTH CAROLINA, VIRGINIA, AND WEST VIRGINIA	4,674	255	2,888	169	7,987	225	7,761
SOUTH CENTRAL:							
ALABAMA, ARKANSAS, KENTUCKY, LOUISIANA, MISSISSIPPI, OKLAHOMA, TENNESSEE, AND TEXAS	7,140	654	4,210	111	12,116	705	11,410
MOUNTAIN AND PACIFIC:							
ARIZONA, CALIFORNIA, COLORADO, HAWAII, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON	3,371	396	2,371	92	6,230	196	6,034
U.S. TOTAL 2/	39,310	7,527	40,415	1,792	89,044	5,883	83,161

1/ NEW SUPPLY AVAILABLE FOR CONSUMPTION IS A NET FIGURE COMPUTED BY ADDING PRODUCTION TO RECEIPTS AND DEDUCTING SCRAP SHIPPED DURING THE YEAR. THE PLUS OR MINUS DIFFERENCE IN STOCK LEVELS AT THE BEGINNING AND END OF YEAR IS NOT TAKEN INTO CONSIDERATION.
 2/ Data may not add to totals shown because of independent rounding.
 3/ Includes scrap shipped, transferred, or otherwise disposed of during the year.
 4/ LESS THAN 1/2 UNIT.

PRELIMINARY
 TABLE 16. - CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON 1/ BY STATE AND REGION,
 BY TYPE MANUFACTURER IN 1980
 (THOUSAND SHORT TONS)

STATE AND REGION	PIG IRON AND RAW STEEL		STEEL CASTINGS		IRON FOUNDRIES AND MISCEL- LANEOUS USERS		TOTAL 2/	
	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON	SCRAP	PIG IRON
NEW ENGLAND AND MIDDLE ATLANTIC:								
CONNECTICUT, MAINE, MASSACHUSETTS, NEW HAMPshire, NEW JERSEY, NEW YORK, RHODE ISLAND, AND VERMONT	1,460	1,954	139	5	951	81	2,549	2,040
PENNSYLVANIA	14,291	14,053	361	13	876	517	15,528	14,583
TOTAL /	15,750	16,008	500	18	1,827	598	18,078	16,623
NORTH CENTRAL:								
ILLINOIS	6,654	4,101	440	3/	1,319	284	8,412	4,386
INDIANA	8,988	15,721	198	1	591	64	9,777	15,787
MICHIGAN, IOWA, MINNESOTA, NEBRASKA, KANSAS, AND MISSOURI	5,925	5,366	362	1	3,916	304	10,203	5,671
OHIO	8,618	10,461	245	10	2,293	375	11,156	10,847
WISCONSIN	--	--	267	1	922	64	1,189	65
TOTAL /	30,185	35,650	1,512	14	9,041	1,092	40,738	36,756
SOUTH ATLANTIC:								
DELAWARE, FLORIDA, GEORGIA, MARYLAND, NORTH CAROLINA, SOUTH CAROLINA, VIRGINIA, AND WEST VIRGINIA	7,085	W	41	1	705	59	7,831	60
SOUTH CENTRAL:								
ALABAMA, ARKANSAS, KENTUCKY, LOUISIANA, MISSISSIPPI, OKLAHOMA, TENNESSEE, AND TEXAS	8,545	4/ 11,302	435	3	2,215	122	11,195	11,427
MOUNTAIN AND PACIFIC:								
ARIZONA, CALIFORNIA, COLORADO, HAWAII, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON	4,993	4,156	374	5	502	27	5,869	4,188
U.S. TOTAL 2/	66,557	67,114	2,862	41	14,291	1,898	83,710	69,053

W WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY CONFIDENTIAL DATA
 1/ INCLUDES MOLTEN PIG IRON USED FOR INGOT MELTS AND DIRECT CASTINGS.
 2/ Data may not add to totals shown because of independent rounding.
 3/ Less than one-half unit.
 4/ Includes South Atlantic Region.

PRELIMINARY
**TABLE 17.- CONSUMER STOCKS OF IRON AND STEEL SCRAP, BY GRADE, AND PIG IRON,
 DECEMBER 31, 1980, BY STATE AND REGION
 (THOUSAND SHORT TONS)**

STATE AND REGION	CARBON		STAINLESS STEEL	ALLOY STEEL		CAST IRON INCLUDES RORINGS)	OTHER GRADES OF SCRAP	TOTAL SCRAP STOCKS 1/	PIG IRON STOCKS
	(EXCLUDES ROLLING RAILS	STEEL		STAINLESS STEEL	STEEL				
NEW ENGLAND AND MIDDLE ATLANTIC:									
CONNECTICUT, MAINE, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, RHODE ISLAND, AND VERMONT	221	17	18	54	3	313	78		
PENNSYLVANIA	1,358	41	176	386	40	1,960	330		
TOTAL 3/	1,579	58	174	440	43	2,273	409		
NORTH CENTRAL:									
ILLINOIS	704	6	8	49	2/	767	18		
INDIANA	595	5	10	339	1	950	36		
MICHIGAN, IOWA, MINNESOTA, MERRASKA, KANSAS, AND MISSOURI	501	5	2/	100	18	624	18		
OHIO	473	12	40	99	3	627	116		
WISCONSIN	15	1	2/	10	2/	27	7		
TOTAL 3/	2,288	29	58	597	22	2,995	196		
SOUTH ATLANTIC:									
DELAWARE, FLORIDA, GEORGIA, MARYLAND, NORTH CAROLINA, SOUTH CAROLINA, VIRGINIA, AND WEST VIRGINIA	715	W	9	109	1	834	42		
SOUTH CENTRAL:									
ALABAMA, ARKANSAS, KENTUCKY, LOUISIANA, MISSISSIPPI, OKLAHOMA, TENNESSEE, AND TEXAS	1,024	3/ 13	14	171	14	1,236	274		
MOUNTAIN AND PACIFIC:									
ARIZONA, CALIFORNIA, COLORADO, HAWAII, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON	524	2	10	123	22	681	18		
U.S. TOTAL 1/	6,130	102	245	1,439	101	8,018	849		

W WITHHELD TO AVOID DISCLOSING INDIVIDUAL COMPANY CONFIDENTIAL DATA.

1/ DATA MAY NOT ADD TO TOTALS SHOWN BECAUSE OF INDEPENDENT ROUNDING.

2/ LESS THAN 1/2 UNIT.

3/ Includes South Atlantic Region.